

WHAT IS CLAIMED IS:

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1. A printer, at least one ink-ejecting mechanism for ejecting ink droplets from predetermined nozzles is sequentially placed to form a head chip, and a head comprises said head chips in array,

wherein some of said plurality of nozzles allocated to one head chip are placed so as to be partly overlapped with a plurality of nozzles allocated to the adjacent head chips at the adjacent head chips, as viewed from the direction of feeding a print object, in order to ink droplets to be adhered to almost the same point.

2. A printer according to Claim 1, wherein said ink-ejecting mechanism is driven such that a spot of printing dots covered by one head chip and a spot of printing dots covered by the other head chip are mixed in said partly overlapped area.

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3. A printer according to Claim 1, wherein said ink-ejecting mechanism is driven such that a boundary is set in said partly overlapped area, a spot of printing dots in said overlapped area is allocated to the head chip covering either side of said overlapped area, and said boundary is shifted appropriately.

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1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

wherein said head chips are placed in such a manner that some of said nozzles allocated to said head chips are partly overlapped at the adjacent head chips, as viewed from the direction of feeding a print object.

a nozzle plate made of one thin plate, wherein a nozzle array which comprises a plurality of said nozzles is formed on said nozzle plate.

7. A printer according to Claim 6, wherein said nozzles are placed on said nozzle plate almost as wide as said print object to form said nozzle array in a direction perpendicular to the feeding direction of said print object.

8. A printer, at least one ink-ejecting mechanism for ejecting ink droplets from predetermined nozzles is sequentially placed to form a head chip, and a head comprises said head chips in array,

wherein said nozzles are formed on said nozzle plate made of one thin plate, as many said nozzles as necessary for a plurality of said head chips are formed, and said plurality of head chips are placed on said nozzle plate to form said head.

9. A printer according to Claim 8, wherein said nozzles are placed on said one nozzle plate almost as wide as said print object to form a nozzle array in a direction perpendicular to the feeding direction of a print object.

10. A printer according to Claim 8, wherein said nozzles are placed on said one nozzle plate almost as wide as said print object to form a nozzle array in a direction perpendicular to the feeding direction of a print object, and a plurality of said nozzle arrays are formed.

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11. A printer comprising a plurality of colors of ink for ejecting predetermined colors of ink from predetermined nozzles to form an image onto a print object, which comprises a nozzle plate made of one thin plate, wherein

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a plurality of nozzle arrays, each of which comprises a plurality of said nozzles, are formed corresponding to said plurality of colors on said nozzle plate.

12. A printer according to Claim 11, wherein said nozzles are placed on said nozzle plate almost as wide as said print object to form said nozzle array in a direction perpendicular to the feeding direction of said print object.

13. A printer comprising a plurality of colors of ink, at least one ink-ejecting mechanism for ejecting predetermined colors of ink droplets from predetermined nozzles is sequentially placed to form a head chip, and as many said head chips as necessary for said plurality of colors are aligned to form a head,

wherein said nozzles are formed on said nozzle plate made of one thin plate, as many said nozzles as necessary for a plurality of said head chips are formed, as many said nozzles as necessary for a plurality of said colors are formed at the same time,

and said plurality of head chips necessary for said plurality of colors are placed on said nozzle plate to form said head.

14. A printer according to Claim 13, wherein said

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nozzles are placed on said nozzle plate almost as wide as said print object to form a nozzle array in a direction perpendicular to the feeding direction of said print object.

15. A printer according to Claim 13, wherein said nozzles are placed on said nozzle plate almost as wide as said print object to form a nozzle array in a direction perpendicular to the feeding direction of said print object, and a plurality of nozzle arrays are formed for each color of said ink.

16. A printer according to Claim 8, wherein some of said plurality of nozzles allocated to one head chip are placed so as to be partly overlapped with a plurality of nozzles allocated to the adjacent head chips at the adjacent head chips, as viewed from the direction of feeding a print object, in order to said ink droplets to be adhered to almost the same point.

17. A printer according to Claim 13, wherein some of said plurality of nozzles allocated to one head chip are placed so as to be partly overlapped with a plurality of nozzles allocated to the adjacent head chips at the adjacent head chips, as viewed from the direction of feeding a print object, in order to said ink droplets to be adhered to

almost the same point.

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18. A printer head for ejecting ink droplets from predetermined nozzles to form an image onto a print object, comprising

a nozzle plate made of at least one thin plate, wherein
a nozzle array which comprises a plurality of said nozzles
is formed on said nozzle plate.

19. A printer head according to Claim 18, wherein said nozzles are placed on said nozzle plate almost as wide as said print object to form said nozzle array in a direction perpendicular to the feeding direction of said print object.

20. A printer head, at least one ink-ejecting mechanism for ejecting ink droplets from predetermined nozzles is sequentially placed to form a head chip, and a head comprises said head chips in array,

wherein said nozzles are formed on said nozzle plate made of one thin plate, as many said nozzles as necessary for a plurality of said head chips are formed, and said plurality of head chips are placed on said nozzle plate to form said printer head.

21. A printer head according to Claim 20, wherein said

nozzles are placed on one nozzle plate almost as wide as said print object to form a nozzle array in a direction perpendicular to the feeding direction of a print object.

22. A printer head according to Claim 20, wherein said nozzles are placed on said one nozzle plate almost as wide as said print object to form a nozzle array in a direction perpendicular to the feeding direction of a print object, and a plurality of said nozzle arrays are formed.

23. A printer head according to Claim 20, wherein some of said plurality of nozzles allocated to one head chip are placed so as to be partly overlapped with a plurality of nozzles allocated to the adjacent head chips at the adjacent head chips, as viewed from the direction of feeding a print object, in order to said ink droplets to be adhered to almost the same point.

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24. A printer head for ejecting predetermined colors of ink from predetermined nozzles to form an image onto a print object, comprising

a nozzle plate made of at least one thin plate, wherein a plurality of nozzle arrays each of which comprises a plurality of said nozzles are formed corresponding to said plurality of colors on said nozzle plate.

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25. A printer head according to Claim 24, wherein said nozzles are placed on said nozzle plate almost as wide as said print object to form said nozzle array in a direction perpendicular to the feeding direction of said print object.

26. A printer head, at least one ink-ejecting mechanism for ejecting predetermined colors of ink droplets from predetermined nozzles is sequentially placed to form a head chip, and as many said head chips as necessary for said plurality of colors are aligned to form a head,

wherein said nozzles are formed on said nozzle plate made of one thin plate, as many said nozzles as necessary for a plurality of said head chips are formed, as many said nozzles as necessary for a plurality of said colors are formed at the same time,

and said plurality of head chips necessary for said plurality of colors are placed on said nozzle plate to form said head.

27. A printer head according to Claim 26, wherein said nozzles are placed on said nozzle plate almost as wide as said print object to form a nozzle array in a direction perpendicular to the feeding direction of said print object.

29. A printer head according to Claim 26, wherein some of said plurality of nozzles allocated to one head chip are placed so as to be partly overlapped with a plurality of nozzles allocated to the adjacent head chips at the adjacent head chips, as viewed from the direction of feeding a print object, in order to said ink droplets to be adhered to almost the same point.